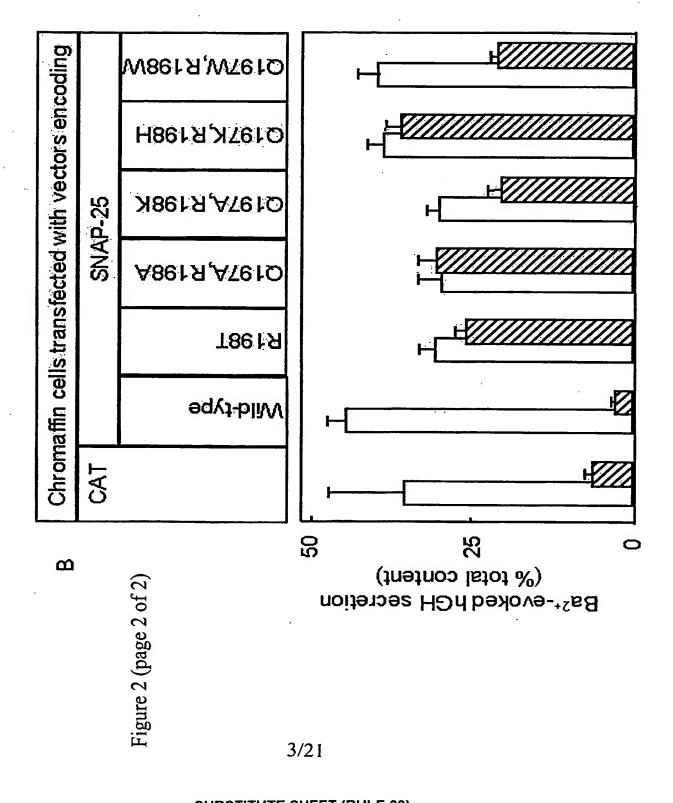
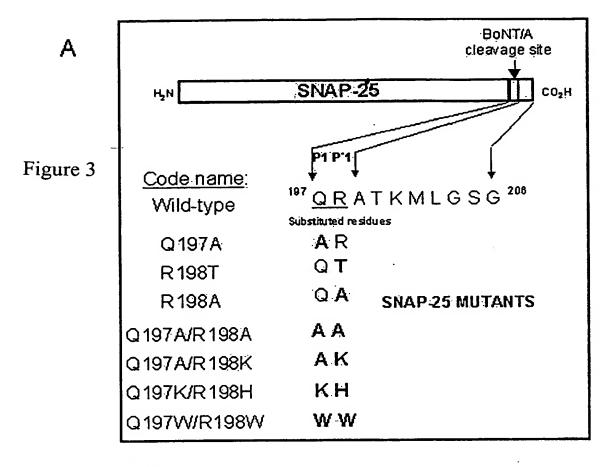
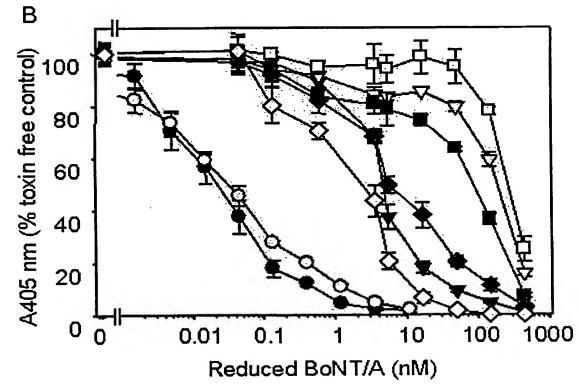


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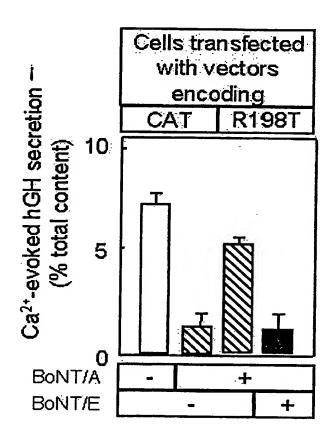


Figure 4

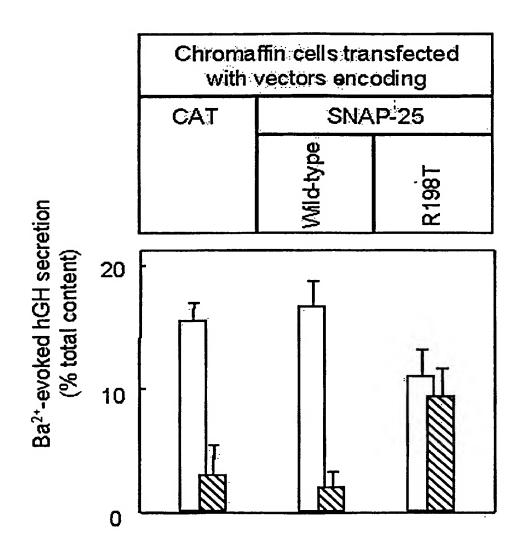


Figure 5

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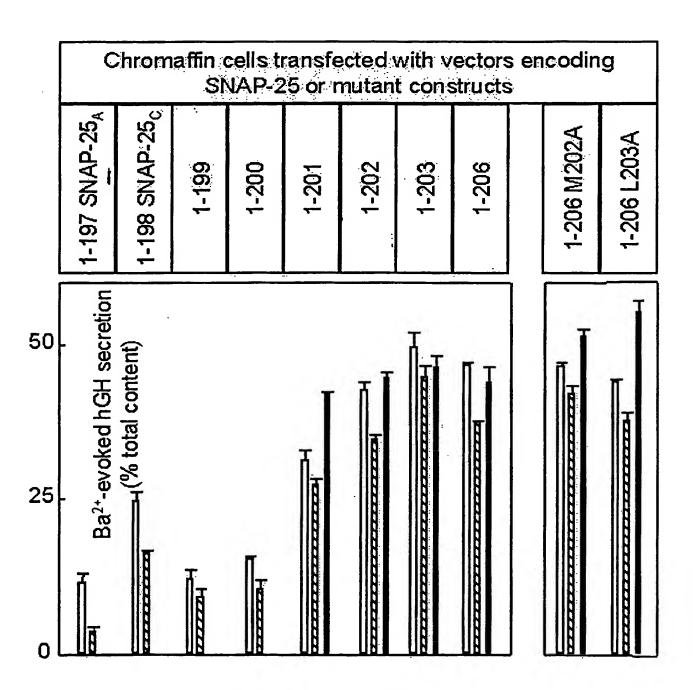
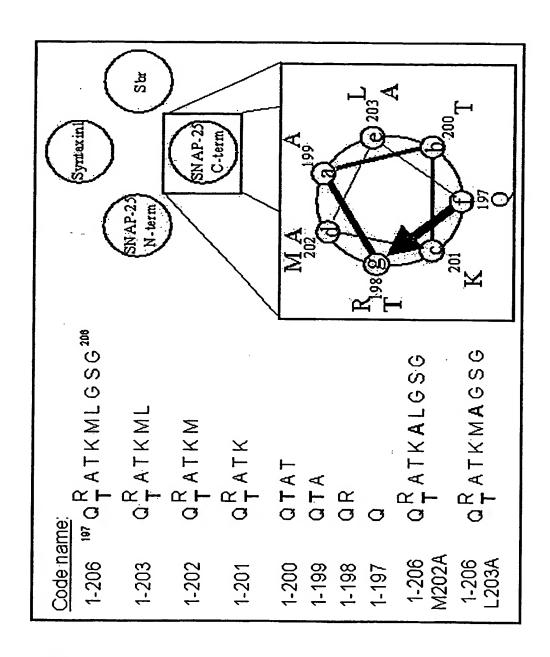


Figure 6 (page 1 of 2)

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SN	hS	mS			SN	hS	mS				

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PCT/GB00/03196

LOCUS HSVAMP1MR 354 bp mRNA PRI 17-FEB-1997 DEFINITION H.sapiens Vamp1 mRNA. ACCESSION Z48924 VERSION Z48924.1 GI:758107

protein_id="CAA88760.1" /db_xref="GI:758108" /db_xref="SWISS-PROT:P23763" /translation="MSAPAQPPAEGTEGTAPGGGPPGPPPNMTSNRRLQQT QAQVEEVVDIIRVNVDKVLERDQKLSELDDRADALQAGASQFESSAAKLKR KYWWKNCKMMIMLG TICAIIVVVIVIYFFT" BASE COUNT 96 a 82 c 103 g 73 t ORIGIN

- atgtctgctc cagctcagcc acctgctgaa gggacagaag ggactgccc aggtgggggt
- 61 cccctggcc ctcctcctaa catgaccagt aacagacgac 33cagcaaac ccaggcacaa
- 121 gtggaggagg tggtggacat catacgtgtg aacgtggaca aggtcctgga gagggaccag
- 181 aagctgtcag agctggatga ccgagctgat gccttgcagg caggagcatc acaatttgag
- 241 agcagtgctg caaagctaaa gaggaagtat tggtggaaaa actgcaagat gatgatcatg
- 301 ctgggaacca tctgtgccat catcgtggta gttattgtaa tctacttttt tact //

Figure 8 (page 1 of 11)

GenBank Acc: AI815549 GenBank gi: 5431095

IMAGE: 2517969 (5')

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PCT/GB00/03196

EST name: ui73f02.yl GenBank Acc:

AI785090 GenBank gi: 5332806 Clone Id:

IMAGE:1888059 (5')

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LOCUS NM 004781 638 bp mRNA PRI 27-JUN-2000 DEFINITION Homo sapiens vesicle-associated membrane protein 3 (cellubrevin) (VAMP3), mRNA. ACCESSION NM 004781 VERSION NM 004781.2 GI:9257252 protein_id="NP_004772.1" /db_xref="GI:4759300" /translation="MSTGPTAATGSNRRLQQTQNQVDEVVDIMRVNVDKVL ERDOKLS ELDDRADALQAGASQFETSAAKLKRKYWWKNCKMWAIGITVLVIFIIIIIV WVVSS" BASE COUNT 181 a 133 c 141 g 183 t ORIGIN 1 ctctaaagcg ccgcagctgc caaaatgtct acaggtccaa ctgctgccac tggcagtaat 61 cgaagacttc agcagacaca aaatcaagta gatgaggtgg tggacataat gcgagttaac 121 qtqqacaagg ttctggaaag agaccagaag ctctctgagt tagacgaccg tgcagacgca 181 ctgcaggcag gcgcttctca atttgaaacg agcgcagcca agttgaagag gaaatattgg 241 tggaagaatt gcaagatgtg ggcaatcggg attactgttc tggttatctt catcatcatc 301 atcatcgtgt gggttgtctc ttcatgaaga accagcggaa ctcaaaactg ctgttcaaga 361 aacctcttca agacttttga cttagaacct gctatattat caagettace tactgttate 421 tetaaaattt tttttgtgtt aatgtaaagt tgaatttcta ggaaacgtgc ctttgttttt 481 taatatgcac tccaaattag aaggccggcc ccgtccacat tttgcacagt gcctttacag 541 atttacgtat gggctgatga agaggccttc ttaagttcca gagtgctata atctagatgt 601 aatgttgtca ctaattaatt gccattactc ccctttag //

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PCT/GB00/03196

LOCUS HSU55936 800 bp mRNA PRI 14-JUN-1996 DEFINITION Human SNAP-23 mRNA, complete cds. ACCESSION U55936 VERSION U55936.1 GI:1374812 SOURCE human.

protein_id="AAC50537.1" /db_xref="GI:1374813"

/translation="MDNLSSEEIQQRAHQITDESLESTRRILGLAIESQDA GIKTITMLDEQKEQLNRIEEGLDQINKDMRETEKTLTELNKCCGLCVCPCN RTKNFESGKAYKTTWGDGGENSPCNVVSKQPGPVTNGQLQQPTTGAVSGGY IKRITNDAREDEMEENLTQVGSILGNLKDMALNIGNEIDAQNPQIKRITDK ADTNRDRIDIANARAKKLIDS"

BASE COUNT 266 a 167 c 192 g 175 t ORIGIN 1 ctcgaggcca cgaaggccgc caggtccggt gttggggtqt ccgagttgcc gccggagagg 61 agtggcctcg cccgcttgag ttttgattca tcatggataa tctgtcatca gaagaaattc 121 aacagagagc tcaccagatt actgatgagt ctctggaaag tacgaggaga atcctgggtt 181 tagccattga gtctcaggat gcaggaatca agaccatcac tatgctggat gaacaaaagg 241 aacaactaaa ccgcatagaa gaaggcttgg accaaataaa taaggacatg agagagacag 301 agaagacttt aacagaactc aacaaatgct gtggcctttg tgtctgccca tgtaatagaa 361 caaagaactt tgagtctggc aaggcttata agacaacatg gggagatggt ggagaaaact 421 caccttgcaa tgtagtatct aaacagccag gcccggtgac aaatggtcag cttcagcaac 481 caacaacagg agcagtcagt ggtggataca ttaaacgcat aactaatgat gccagagaag 541 atgaaatgga agagaacctg actcaagtgg gcagtatcct gggaaatcta aaagacatgg 601 ccctgaacat aggcaatgag attgatgctc aaaatccaca aataaaacga atcacagaca 661 aggctgacac caacagagat cgtattgata ttgccaatgc cagagcaaag aaactcattg 721 acagctaaag ctactgctgt tcttctttat catttattca cttccgtagc tcctccttga 781 aagttattac cttttcagag

Figure 8 (page 5 of 11)

DEFINITION Human nerve-terminal protein (isoform SNAP25A) mRNA, complete cds.

ACCESSION L19760

VERSION L19760.1 GI:307425

SOURCE Homo sapiens cDNA to mRNA.

/protein_id="<u>AAC37545.1</u>" /db xref="GI:307426"

/translation="MAEDADMRNELEEMQRRADQLADESLESTRRMLQLVE ESKDAGIRTLVMLDEQGEQLDRVEEGMNHINQDMKEAEKNLKDLGKCCGLF ICPCNKLKSSDAYKKAWGNNQDGVVASQPARVVDEREQMAISGGFIRRVTN DARENEMDENLEQVSGIIGNLRHMALDMGNEIDTQNRQIDRIMEKADSNKT RIDEANQRATKMLGSG"

BASE COUNT 260 a 223 c 237 g 203 t ORIGIN

- 1 aacacaaccc tcccgagaag cccaggtcca gagccaaacc cgtcactgac cccccagccc
- 61 aggcgcccag ccactcccca ccgctaccat ggccgaagac gcagacatgc gcaatgagct
- 121 ggaggagatg cagcgaaggg ctgaccagtt ggctgatgag tcgctggaaa gcacccgtcg
- 181 tatgctgcaa ctggttgaag agagtaaaga tgctggtatc aggactttgg ttatgttgga
- 241 tgaacaagga gaacaactcg atcgtgtcga agaaggcatg aaccatatca accaagacat
- 301 gaaggaggct gagaaaaatt taaaagattt agggaaatgc tgtggccttt tcatatgtcc
- 361 ttgtaacaag cttaaatcaa gtgatgctta caaaaaagcc tggggcaata atcaggatgg
- 421 agtggtggcc agccagcctg ctcgtgtagt ggacgaacgg gagcagatgg ccatcagtgg
- 481 cggcttcatc cgcagggtaa caaatgatgc ccgagaaaat gaaatggatg aaaacctaga
- 541 gcaggtgagc ggcatcatcg ggaacctccg tcacatggcc ctggatatgg gcaatgagat
- 601 cgatacacag aatcgccaga tcgacaggat catggagaag gctgattcca acaaaaccag

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661 aattgatgag gccaaccaac gtgcaacaaa gatgctggga agtggttaag tgtgccacc
721 cgtgttctcc tccaaatgct gtcgggcaag atagctcctt catgcttttc tcatggtatt
781 atctagtagg tctgcacaca taacacacat cagtccaccc ccattgtgaa tgttgtcctg
841 tgtcatctgt cagcttccca acaatacttt gtgtcttttg ttctctcttg gtctctttct
901 ttccaaaggt tgtacatagt ggt
//

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LOCUS HUMSNAP25B 923 bp mRNA PRI 25-MAR-1994 DEFINITION Human nerve-terminal protein (isoform SNAP-25b) mRNA, complete cds. ACCESSION L19761 VERSION L19761.1 GI:307427

/protein_id="AAC37546.1" /db_xref="GI:307428" /translation="MAEDADMRNELEEMQRRADQLADESLESTRRMLQLVE ESKDAGIRTLVMLDEQGEQLERIEEGMDQINKDMKEAEKNLTDLGKFCGLC VCPCNKLKSSDAYKKAWGNNQDGVVASQPARVVDEREQMAISGGFIRRVTN DARENEMDENLEQVSGIIGNLRHMALDMGNEIDTQNRQIDRIMEKADSNKT RIDEANQRATKMLGSG"

BASE COUNT 260 a 223 c 243 g 197 t ORIGIN 1 aacacaaccc tcccgagaag cccaggtcca gagccaaacc catcactgac ccccagccc 61 aggcgcccag ccactccca ccgctaccat ggccgaagac gcagacatgc gcaatgagct 121 qqaqqaqatq cagcgaaggg ctgaccagtt ggctgatgag tcgctggaaa gcacccgtcg 181 tatgctgcaa ctggttgaag acagtaaaga tgctggtatc aggactttgg ttatgttgga 241 tgaacaagga gaacaactgg aacgcattga ggaagggatg qaccaaatca ataaggacat 301 gaaagaagca gaaaagaatt tgacggacct aggaaaattc tgcgggcttt gtgtgtgtcc 361 ctgtaacaag cttaaatcaa gtgatgctta caaaaaagcc tggggcaata atcaggacgg 421 agtggtggcc agccagcctg ctcqtqtaqt qqacqaacqq qaqcaqatqq ccatcagtqg 481 cggcttcatc cgcagggtaa caaatgatgc ccgagaaaat gaaatggatg aaaacctaga 541 gcaggtgagc ggcatcatcg ggaacctccg tcacatggcc ctggatatgg gcaatgagat 601 cgatacacag aatcgccaga tcgacaggat catggagaag gctgattcca acaaaaccag 661 aattgatgag gccaaccaac qtqcaacaaa qatgctggga agtggttaag tgtgcccacc 721 cqtqttctcc tccaaatgct gtcgggcaag atagctcctt catgetttte teatggtatt 781 atetagtagg tetgeacaea taacacacat cagtccaccc ccattgtgaa tgttgtcctg 841 tgtcatctgt cagcttccca acaatacttt gtgtcttttg ttctctcttq qtctctttct 901 ttccaaaggt tgtacatagt ggt

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LOCUS HUMSYN1A 2088 bp mRNA PRI 28-NOV-1994
DEFINITION Human syntaxin 1A mRNA, complete cds.
ACCESSION L37792 VERSION L37792.1 GI:577487
Swiss-Prot Accession Number P32851
protein_id="AAA53519.1" /db_xref="GI:577488"
/translation="MKDRTQELRTAKDSDDDDDVAVTVDRDRFMDEFFEQV
EEIRGFIDKFAENVEEVKRKHSAILASPNPDEKTKEELEELMSDIKKTANK
VRSKLKSIEQSIEQEEGLNRSSADLRIRKTQHSTLSRKFVEVMSEYNATQS
DYRERCKGRIQRQLEITGRTTTSEELEDMLESGNPAIFASGIIMDSSISKQ
ALSEIETRHSEIIKLENSIRELHDMFMDMAMLVESQGEMIDRIEYNVEHAV
DYVERAVSDTKKAVKYQSKARRKKIMIIICCVILGIVIASTVGGIFA"

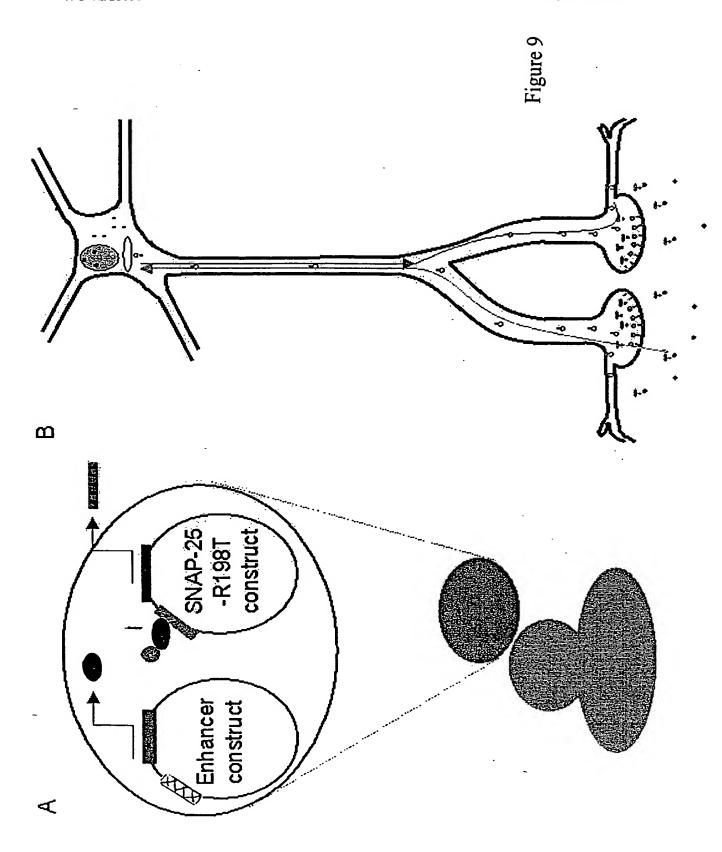
BASE COUNT 447 a 635 c 604 g 402 t ORIGIN 1 catgaaggac cgaacccagg agctccgcac ggccaaggac agcgatgatg atgatgatgt 61 cgctgtcacc gtggaccgag accgcttcat ggatgagttc tttgagcagg tggaggagat 121 tcgaggcttc attgacaaga tcgcagagaa cgtggaggag gtgaagcgga agcacagtgc 181 catcctggca tcccccaacc ccgatgagaa gacgaaggag gagctggaag aactcatgtc 241 cgacataaag aagacagcaa acaaagttcg ttccaagtta aagagcatcg agcagtccat 301 cgagcaagag gaaggcctga accgctcctc cgctgacctg aggatccgga agacacagca 361 ctccacgctg tccagaaagt ttgtggaggt catgtcggag tacaacgcca cgcagtccga 421 ctaccgcgag cgctgcaaag gccgcatcca gaggcagctg gagatcaccg gcaggaccac 481 gaccagtgag gagctggagg acatgctgga gagtgggaac cccgccatct ttgcctctgg 541 gatcatcatg gactccagca tctcgaagca ggctctgagc gagattgaga cgcggcacag 601 tgagatcatc aagctggaga acagcatccg tgagctacac gacatgttca tggacatggc 661 catgctcgtg gagagccagg gagagatgat tgacaggatc gagtacaatg tggaacacgc 721 ggtagactat gtggagaggg ccgtgtctga caccaagaag gccgtcaagt accagagcaa 781 ggcgcgccgg aagaaaatca tgatcatcat ctgctgtgtg atcctgggca tcgtcatcgc 841 ctccactgtt gggggcatct tcgcctagaa gccacccaaa ctgccactcc actccaggtg 901 ggccactcca aggaggccct ggctgctgcc acctggctgg gctgccctcc caacccccgc 961 ctctggctca gagcaccctc cctcccggcc cccatgctcc cttctctgcc atgggccctc 1021 cgtccccgcc ccgtgtcgtg tgcatgatct ctgtgagtgt gcgtctgtac gggaagaggc 1081

Figure 8 (page 9 of 11)

agagggaggc agccagcggg gcgtgatgca gtgtgcacag cgaggagcag acccaggcag 1141 ggccgccagg gtgacacagg ccacgcttcc ttgccttcag taactcggtg ggcccaggtt 1201 ctgctcttcc ctggggaccc taacctcgcc tccagctgac ctgccctgtc ctctccagct 1261 gtccccacaa gcagagccct gaggggtggg gaccagctgg ccacatggtg ctgcttttca 1321 ggttagggga gaggtgaccc tgagggacag cccagctctg agtctcagtc gctgatcact 1381 gccagggagg ctcaggctgc catggctcca ggctccctcc cctgcctagg ggcaaagtcc 1441 atcgggtcct gggcctcagc ttcccttccc acattcctcc ggccccagga gcaaccctt 1501 gggctaggtc tgaccccagg tgtccctctg gaaggggctg gctggtgccc tatttccagc 1561 caccccagca gctagggagg caaagcaggc tgcagtcagt ccctcaagcc agcgttgcat 1621 gtttgggatg gtggctcctg ttgtcttgcg ctctgggaag tcagatgtca tttcaggcct 1681 gcagtctcat cctgcccttg ccatcctccc atcgatgtgc cacgtgggtg tcacgtgtcc 1741 cagatgcagt attcggcagc cagccgggga gggctacctc ctcctcctca ccaccttggg 1801 gcttctcatg ggaaatgtgc ccccgcccca ggaccctctc ccttgtggac aggcagggag 1861 atgcatgcga gtgcatgcag caggggatgg ggccgtgtcc gtgtgcccca ccctccctcg 1921 gctttactcc tgcccagtga ctgtgaccac tgtccgtgtt gccttcttga acagcgattc 1981 cccccaaccc cttcaccaaa ggtcttggta caaccagctg cccattttgt gaaattttta 2041 aagcgttc //

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10 20 30 40 50 30 40 50 AAEDADMRNELEEMQRRADQLADESLESTRRMLQLVEESKDAGIRTLVML	60 100 DEQGEQLDRVEEGMNHINQDMKEAEKNLKDLGKCCGLFICPCNKLKSSDA : : :: :	110 120 130 140 150 YKKAWGNNQDGVVASQPARVVDEREQMAISGGFIRRVTNDARENEMDENL 	160 170 180 190 200 EQVSGIIGNLRHMALDMGNEIDTQNRQIDRIMEKADSNKTRIDEANQRAT	7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7: 7
20 EEMQRRADQLADE EEMQRRADQLADE	70 EGMNHINQDMKEA: :: : EGMDQINKDMKEA: 70	120 VVASQPARVVDERI VVASQPARVVDERI	170 HMALDMGNEIDTQI HMALDMĞNEIDTQI 170	Lipman-Pearson Proteir Ktuple: 2; Gap Penalty Seq1(1>206) HUMANS25.F Seq2(1>206) MOUSES25.F Similarity Index 95.6 Consensus Length 206
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HUMANS25.PRO MOUSES25.PRO	HUMANS25.PRO MOUSES25.PRO	HUMANS25.PRO MOUSES25.PRO	HUMANS25.PRO MOUSES25.PRO	HUMANS25.PRO MOUSES25.PRO
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